

MCE 86

Condenser Microphone



MCE 86 II



MCE 86 II S

FEATURES

- High sensitivity
- Excellent off-axis rejection
- Rugged yet lightweight design
- Non-glare durable polymer coating
- Phantom power 11 - 52 V (MCE 86 II)
- Phantom / Battery power 1.5 V (MCE 86 S II)

APPLICATIONS

The MCE 86 II shotgun microphones can be used for video recordings, lecterns or theatre applications. The microphones are extremely light and rugged and therefore ideal for mounting onto cameras or camcorders. They can be used for outdoor applications and in studios with fish pole booms or as handhelds.

The electrostatic transducer element and the hypercardioid lobe polar pattern result in an excellent polar pattern with high sensitivity. Due to its construction and integrated active filter the microphone is insensitive towards wind and vibrations caused by zoom motors. Each sound source is reproduced absolute clearly.

The MCE 86 II can be powered from balanced phantom source. If phantom power is not available the MCE 86 II S version should be used. This microphone can be also battery powered with an integrated 1.5 V battery. The MCE 86 S II can be connected to unbalanced XLR or mini jack inputs.

Each MCE 86 II version has an electronic balanced output allowing the operation with long cables. Even if connected to consumer devices with unbalanced inputs, the result is free from interferences.

The MCE 86 S II has an ON/OFF-switch and battery condition LED. The average battery expectancy is 80 hours.

There are two different elastic suspensions available suppressing footfall sound or vibrations of zoom motors. The EA 86 elastic suspension can be mounted directly onto the camera. At its bottom the EA 86 has a 3/8" internal thread for the mounting on stands or fish pole booms. The BS 86 flash-holder adapter allows optimal positioning on every camera. The EA 19/25 is supplied with the MKV 11 microphone clamp and enables the mounting on standard stands or fish pole booms with 3/8" thread.

The special camera set MCE 86 S II CAM includes the EA 86 elastic suspension with BS 86, the WS 716 foam wind-screen and a short connecting cable for direct camera mounting, an ideal solution for consumer cameras.

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VERSIONS

MCE 86 II	Condenser shotgun microphone for phantom power incl. EA 19/25 elastic suspension and MKV 11 microphone clamp	Order # 476.595
MCE 86 S II	same as above, but with switch for battery or phantom powering	Order # 476.609
MCE 86 S II CAM	Condenser shotgun microphone for phantom or battery powering incl. EA 86 elastic suspension and BS 86 for camera mount, MVK 86-K3 connecting cable and WS 716 windscreen	Order # 476.617

OPTIONAL ACCESSORIES

BS 86	Set for flash holder	Order # 460.370
EA 19/25	Elastic suspension for 3/8" stand mount	Order # 407.194
EA 86	Elastic suspension incl. BS 86 for camera mount.	Order # 407.186
MKV 8	Microphone clamp with 3/8" internal thread, for shaft diameters of 22 - 32 mm	Order # 407.216
MVK N(C)-K3	Connecting cable XLR-Jack (3.5 mm Stereo), 1.5 m long	Order # 406.813
MVK 86-K3	Connecting cable XLR-Jack (3.5 mm Stereo), 0.35 m long	Order # 479.268
MWK N(C)-K3	Coiled cable XLR-Jack (3.5 mm Stereo)	Order # 470.570
MZA 716	Fishpole boom incl. MZG 2, 0.96 - 3.15 m	Order # 140.848
MZA 717	Fishpole boom, 0.61 - 1.59 m	Order # 400.807
MZA 718	Fishpole boom, 0.93 - 3.20 m	Order # 406.260
WS 716	Windscreen, charcoal-grey	Order # 134.538
WJ 86	Windjammer, additional fleece windscreen for WS 716 with 40 mm long hair	Order # 475.629
SWS 86	Softie, incl. pistol grip handle	Order # 421.278
EAP MEDIUM	Elastic suspension (medium) for MCE 86 II/86 and MCE 836, with pistol grip	Order # 477.796
KWS 4	Basket-type wind screen for MC 836.	Order # 477.753
KWS EXT 1	Extension for KWS 4 basket-type wind screen for MCE 86/87, MCE 86 II	Order # 477.761
WJ 5	Wind jammer, additional wind screen for KWS 4 with KWS EXT 1 for MCE 86 II/86/87	Order # 477.834
KWS 5 Set	Wind screen set consisting of EAP MEDIUM, KWS 4, KWS EXT 1 and WJ 5 for MCE 86/87, MCE 86 II.	Order # 477.869

TECHNICAL SPECIFICATIONS

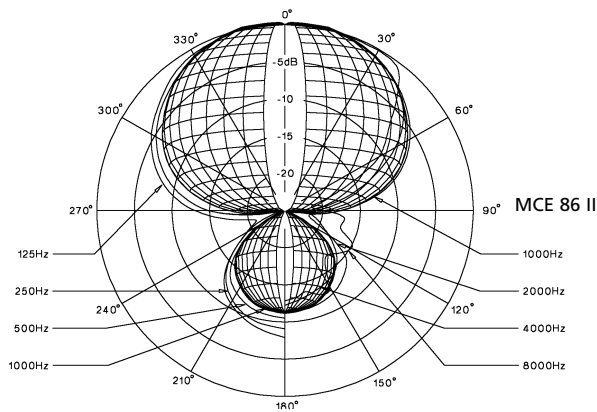
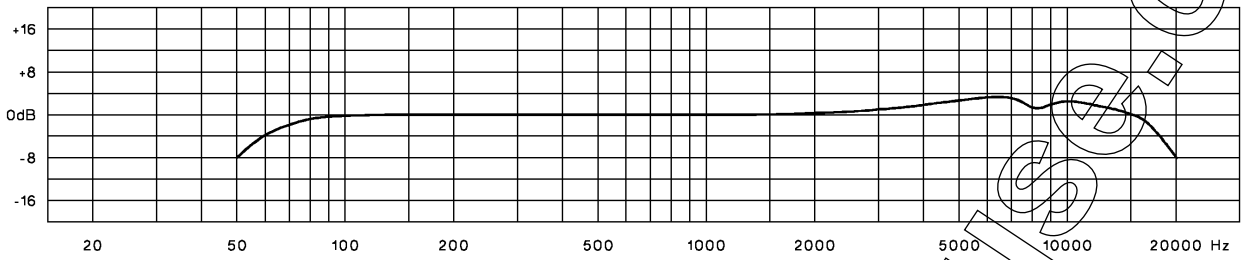
Type	MCE 86 II	MCE 86 S II
Transducer type	Condenser (back electret)	Condenser (back electret)
Operating principle	Pressure gradient	Pressure gradient
Frequency response	50 - 18,000 Hz	50 - 18,000 Hz
Polar patter	Hypercardioid/lobe	Hypercardioid/lobe
Open circuit voltage at 1 kHz (0 dB = 1V/Pa)	30 mV/Pa	30 mV/Pa
Nominal impedance	150 Ω	150 Ω
Load impedance	≥ 1kΩ	≥ 1kΩ
Max. SPL at 1 kHz	128 dB	128 dB
Signal-to-noise ratio ref. to 1 Pa	> 61 dB	> 61 dB
A-weighted equivalent SPL	25 dB	25 dB
Noise voltage	< 25 μVs	< 25 μVs
Male connector	3-pin XLR	3-pin XLR
Supply voltage	11 - 52 V phantom	11 - 52 V phantom or 1.5 V battery (LR6 AA) (switchable)
Current consumption	4 mA	4 mA / 11 mA (battery)
Length	253 mm	310 mm
Diameter	25/21 mm	25/21 mm
Weight without cable	90 g	125 g

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FREQUENCY RESPONSE & POLAR PATTERN

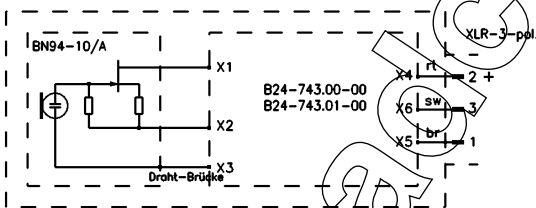
This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.

Frequency response curve ± 2.5 dB 0 dB $\hat{=}$ 30 mV/Pa MCE 86 II



WIRING DIAGRAM

MCE 86 II



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